

URBAN DISTRICT



OF CLECKHEATON.

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# Annual Report

OF THE

MEDICAL OFFICER OF HEALTH.

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*YEAR ENDED 31st DECEMBER, 1909.*

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J. A. SUTHERLAND, M.B., C.M.,

MEDICAL OFFICER.

31st  
Dec.,  
1910.

## STATISTICAL MEMORANDA, 1909.

Population, 1891	...	...	...	...	11826
„ 1901	...	...	...	...	12520
„ estimated to middle of 1909...				...	13070
Inhabited Houses at end of 1908			...	...	3444
Density of Population...		...	...		7·4 per acre.
Acreage ...	...	...	1755 acres.		
Birth Rate	...	...	19·35		
Death Rate	...	...	11·70.		

### Other Death Rates:

Cancer	...	...	...	...	·74
Zymotic (seven principal diseases)			...	...	·22
Respiratory (excluding Phthisis)			...	...	2·75
Phthisis	...	...	...	...	·45
Infantile Mortality per 1000 Births			...	...	102·7
Total Rainfall	...	...	...		32·25 inches.

## VITAL STATISTICS FOR ENGLAND AND WALES.

ITEM.	England and Wales.	Great Towns. 76.	Smaller Towns 142	England and Wales less the 218 towns.
Birth Rate ...	25·6*	25·7	24·8	25·6
Death Rate ...	14·5*	14·7	13·9	14·5
Zymotic Death Rate ...	1·12	1·42	1·08	0·80
Infantile Mortality per 1000 Births ...	109*	118	111	98
	*Lowest on Record.			

# North Bierley Joint Hospital.

ANNUAL REPORT of the Medical Superintendent  
for the Year ended 31st March, 1910.

## GENTLEMEN.

In presenting this, my Eighteenth Annual Report of the work done at the North Bierley Joint Hospital during the year ending March 31st, 1910, the principal matter for comment is the large number of cases admitted.

In only one year, viz. 1903, was the number exceeded, when there was an epidemic of Typhoid in the North Bierley district.

This year the numbers are due to cases of Scarlatina in the North Bierley and Tong districts.

The number from the Hunsworth district was greatly above their average, whilst Cleckheaton had the fewest cases on record.

The number of admissions were 284, and 15 remaining from the previous year, making a total of 299. Of these 248 were Scarlatina, 7 Typhoid, 21 Diphtheria, and 8 other diseases.

The pressure on the accommodation for Scarlatina was great at times, but provision was always available for all cases, North Bierley sending 182, Tong 72, Hunsworth 15, and Cleckheaton 15. Last year North Bierley sent 49, Tong 12, Hunsworth 2, and Cleckheaton 24.

The results have been very satisfactory, the Death Rate on all cases was the small one of 3.34. But of these, are deducted 2 dying within 30 hours of admission, and 4 from diseases other than fever, the Death Rate is then only 1.36 for the year.

The usual appended tables will give the detailed information.

John A. Sutherland, M.B., C.M.

ADMISSIONS—April 1st, 1909, to March 31st, 1910.

Admissions from April 1st, 1909, to March 31st, 1910 .....284  
In Hospital, March 31st, 1909 .....15

Discharged Cured .....257  
Died .....10  
Remaining in Hospital, March 31st, 1910 .....22

Mortality on cases treated 3.34.  
Deducting 2 within 30 hours, and 4 other Diseases—1.36.

	Scarlatina.				Typhoid Fever.				Diphtheria.				Other Diseases.				Total Admissions.
	M.	F.	T.	%	M.	F.	T.	%	M.	F.	T.	%	M.	F.	T.	%	
1909	11	12	23		...	...	...		...	...	...		...	...	...		
April.....	13	11	24		...	...	...		...	...	...		...	...	...		111 13 24
May.....	15	13	28		...	...	...		...	...	...		...	...	...		114 13 27
June.....	12	13	25		...	...	...		...	...	...		...	...	...		116 15 31
July.....	12	13	25		...	...	...		...	...	...		...	...	...		115 14 23
August.....	5	18	23		...	...	...		...	...	...		...	...	...		10 18 28
Septem.....	6	10	16		...	...	...		...	...	...		...	...	...		9 13 22
Oct.....	5	8	13		...	...	...		...	...	...		...	...	...		5 20 15
Novem.....	14	22	36		...	...	...		...	...	...		...	...	...		13 23 38
Dec.....	3	13	16		...	...	...		...	...	...		...	...	...		4 14 18
Janv.....	4	8	12		...	...	...		...	...	...		...	...	...		8 8 16
Feby.....	4	4	8		...	...	...		...	...	...		...	...	...		5 9 14
March.....	...	...	...		...	...	...		...	...	...		...	...	...		
TOTALS.....	103	145	248		5	2	7		9	12	21		3	5	8		8120 164 284

## SCARLATINA.

Showing Admissions, Deaths, and % Mortality.

Ages.	MALES.				FEMALES.				TOTAL.			
	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died
Under 1	1	...	...	...	...	...	...	...	...	...	...	...
1-5	4	...	...	...	...	...	...	...	...	...	...	...
5-10	11	...	...	...	...	...	...	...	...	...	...	...
10-15	27	...	...	...	...	...	...	...	...	...	...	...
15-20	6	...	...	...	...	...	...	...	...	...	...	...
20-25	1	...	...	...	...	...	...	...	...	...	...	...
25-30	...	...	...	...	...	...	...	...	...	...	...	...
Above 30	...	...	...	...	...	...	...	...	...	...	...	...
Total...	103	1	145	1	248	3	120	1	145	3	120	1

† Died in Epileptic Fit when convalescent. \* Died in 30 hours.

## TYPHOID FEVER.

Showing Admissions, Deaths, and % Mortality.

Ages.	MALES.				FEMALES.				TOTAL.			
	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died
Under 5	...	...	...	...	...	...	...	...	...	...	...	...
5-10	...	...	...	...	...	...	...	...	...	...	...	...
10-15	1	...	...	...	...	...	...	...	...	...	...	...
15-20	1	...	...	...	...	...	...	...	...	...	...	...
20-25	2	...	...	...	...	...	...	...	...	...	...	...
25-30	...	...	...	...	...	...	...	...	...	...	...	...
30-35	...	...	...	...	...	...	...	...	...	...	...	...
35-40	...	...	...	...	...	...	...	...	...	...	...	...
40-50	1	...	...	...	...	...	...	...	...	...	...	...
Above 50	...	...	...	...	...	...	...	...	...	...	...	...
Total...	5	1	2	0	7	1	14 28	1	14 28	1	14 28	1


## DIPHTHERIA.

Showing Admissions, Deaths, and % Mortality.

Ages.	MALES.				FEMALES.				TOTAL.			
	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died	Admit'd	Died
Under 1	...	...	...	...	...	...	...	...	...	...	...	...
1-5	...	...	...	...	...	...	...	...	...	...	...	...
5-10	...	...	...	...	...	...	...	...	...	...	...	...
10-15	2	...	...	...	...	...	...	...	...	...	...	...
15-20	...	...	...	...	...	...	...	...	...	...	...	...
20-25	...	...	...	...	...	...	...	...	...	...	...	...
Above 25	...	...	...	...	...	...	...	...	...	...	...	...
Total...	9	1	12	1	21	2	952	2	952	2	952	2

° In Hospital 28 hours

Average Days in Hospital. Daily Average of Patients.  
Total No. days—beds occupied, 11593. 4082 356.  
Last year, 1909, 11999 (476) 39. Od.  
Average cost half-year ending Mar. 31st, 1910 (167) 10s. 6½d.  
Last year (51), 20s. 1½d. and (57) 21s. 3d.  
Total number of cases treated since opening of Hospital, 2913, with a Mortality of 685 on all cases admitted.



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## MEDICAL OFFICER'S ANNUAL REPORT.

31st  
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1909.

TOWN HALL,

CLECKHEATON,

12th Feby., 1910.

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***To the Chairman and Members of the  
Urban District Council of Cleckheaton.***

GENTLEMEN,

I have great pleasure in laying before you my fourth Annual Report on the Health and Sanitary condition of the District for the year ending 31st December, 1909.

The year has been one of the healthiest, and this has been brought about in a great measure owing to the wet summer.

An excess of sunshine plus dust and microbes affects the health of infants and also adults. After a glorious summer, in the early autumn, fever is more prevalent and many more infants die, than during a fairly wet season.

The dust of the roads consists largely of hard particles and is mixed with innumerable particles of decaying organic matter often of an extremely noxious character, and there can be no doubt that such particles are capable of conveying the germs of various diseases.

To minimise the dust of our main streets, I should strongly recommend tar spraying; watering is only a very temporary benefit.

Infectious Diseases have been few, in fact, the notifications recorded were only 17, the lowest since the Act was put into operation.



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Progress has been made in the adoption of water carriage, but there is a lot of work yet to be done in that direction; only a small part of the work at Moor End has been taken in hand—the rest ought to be pushed on.

There are many backyards that require paving for various reasons; this would greatly add to the comfort and health of the neighbourhood.

I have again to report well of the Webb Destructor Lamps. I only wish a few more could be introduced at suitable positions, such as New Lane, Scholes, and some dead ends of sewers.

The Milk Supply has been good—at least all the samples I have tested have been of good quality. It is highly necessary that the Milk Supply should be free from the dangers of contamination. As a country we are years behind many countries with control of the Milk Supply. A good deal remains to be done before the mistals are what they ought to be as regards ventilation, and cleanliness, both of the premises and animals.

No provision has yet been made by the placing of wire baskets in the streets for the reception of orange peel, banana skins, paper, &c., such receptacles would do much to keep the streets in a better state.

Next year the census will be taken and then we shall know the exact population. I am inclined to think we are rather under estimated. Before next year we want the naming and numbering of our streets; at present it is extremely difficult to locate houses for reference purposes.

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POPULATION.—The population was estimated at the middle of the year at 13070, an increase on the previous year of 70. The population is distributed in the three Wards as follows:—

Cleckheaton	...	...	10,655
Scholes	...	...	1,760
Oakenshaw	...	...	655
TOTAL			13,070

BIRTHS.—The total number of births registered during the year was 253, a decrease of 6 on the preceding year. Of those infants 124 were males and 129 females. The total birth rate was 19·35, a decrease of 0·57 on 1908. The rate for the whole of England and Wales was 25·6 per 1000, and the ratios of the past six years were as follows:—

Year.	Number.	Rate per 1000.
1904	278	21·84
1905	278	21·72
1906	260	20·20
1907	267	20·64
1908	259	19·92
1909	253	19·35

The numbers and rates for each Ward are as follows:—

Ward.	Rate per 1000. 1909.	Rate per 1000. 1908.	Rate per 1000. 1907.	Rate per 1000 1906.
Cleckheaton	198...18·58	216...20·37	216...20·48	207...19·61
Scholes	43...24·43	34...19·42	42...24·13	42...24·35
Oakenshaw	12...18·32	9...13·84	9...13·95	11...17·18

ILLEGITIMACY.—The number of Illegitimate Births registered was 5, a decrease on the previous year of 6. This number is equal to a percentage of all births of 1·97.

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## QUARTERLY RETURNS OF BIRTHS.

		Males.		Females.		Total.
First Quarter	...	31	...	38	...	69
Second	„	29	...	33	...	62
Third	„	31	...	32	...	63
Fourth	„	33	...	26	...	59
TOTALS	...	124		129		253

DEATHS.—The total number of deaths registered during the year was 156. Eight deaths occurred in the North Bierley Joint Hospital (Bradford residents). These have to be deducted. On the other hand I have notices of the deaths of 5 Cleckheaton residents who died out of the district. The corrected number therefore becomes 153, a decrease of 26 on last year. Of these deaths 73 were males and 80 females.

## QUARTERLY RETURNS OF DEATHS.

		Males.		Females.		Totals.
First Quarter	...	26	...	27	...	53
Second	„	15	...	18	...	33
Third	„	16	...	12	...	28
Fourth	„	16	...	23	...	39
TOTALS	...	73		80		153

The total annual death rate is equal to 11·70, a decrease of 1·91 on the year before. The rate for England and Wales for the same period is 14·5 (*lowest ever recorded*).

## COMPARATIVE TABLE FOR THE PAST TEN YEARS.

1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.
14·77	16·93	13·34	12·88	15·71	14·53	15·07	11·13	13·61	11·70

Average for 10 years 13·96.



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The separate numbers and rates for each Ward were as follows:—

		1909.		1908.		1907.	
		No.	Rate per 1000.	No.	Rate per 1000.	No.	Rate per 1000.
Cleckheaton	...	129	12·10	154	14·52	116	11·00
Scholes	...	17	9·65	19	10·92	23	13·21
Oakenshaw	...	7	10·68	6	9·23	5	7·75

INFANTILE MORTALITY.—The number of Infantile Deaths registered, *i.e.*, of children under one year of age, was 26, a decrease of 4. This equals a percentage of all deaths of 16·99, a percentage of all births of 10·27, and a total annual death rate of 1·98. The Infantile Mortality is therefore 102·7, this being the rate per 1000 births as compared with 115·8 for last year, and with 109 for England and Wales.

## RATES FOR THE PAST SIX YEARS.

1904.	1905.	1906.	1907.	1908.	1909.
158·2	136·5	130·7	89·8	115·0	102·7

On analysing the figures we get the following results:—

				1909.	1908.	1907.
Premature Birth and Deficient Vitality						
at Birth	...	...	...	9	6	9
Bronchitis	...	...	...	2	7	7
Diarrhœa	...	...	...	0	3	0
Meningitis	...	...	...	0	3	1
Convulsions (Teething)	...	...	...	5	3	3
Tuberculosis	...	...	...	0	0	2
Whooping Cough	...	...	...	1	1	0
Other Diseases	...	...	...	9	7	2
TOTAL				26	30	24

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This rate, though lower than in some previous years, is higher than it ought to be.

We have not adopted the Early Notification of Births Act, of 1907. If it were adopted, it would prove of considerable service in the prevention of the Mortality of Infants, especially if a Nurse having a Certificate in Sanitary Science could visit the home of every newly born child and give advice to the mothers on Infant Feeding, &c.

Under the Children's Act, open fireplaces must have an effective fire guard: where a child gets burned for the want of one, parents are liable to a heavy fine.

Over one year and under <sup>5</sup>five years of age the number of deaths was <sup>8</sup>~~5~~, a decrease of <sup>4</sup>~~1~~. This gives a percentage of all deaths of <sup>4.52</sup>~~5.22~~, a percentage of all births of <sup>2.46</sup>~~2.16~~, and a total annual death rate of <sup>0.0</sup>~~0.0~~. The total number of deaths therefore of children under 5 years of age was <sup>34</sup>~~3~~, a decrease of <sup>8</sup>~~9~~ on the previous year. This number is equal to a percentage of all deaths of <sup>21.56</sup>~~22.22~~, to a percentage of all births of <sup>13.43</sup>~~13.43~~, and a total annual death rate of <sup>2.00</sup>~~2.00~~, as compared with 3.23 in 1908, 2.70 in 1907, 5.36 in 1906, and 3.97 in 1905.

## TABULAR STATEMENT OF DEATHS AT ALL AGES.

Age	0-1	1-5	5-15	15-25	25-65	65 and upwards.
1909...	26	7	3	4	62	51
1908...	30	12	10	11	59	55
1907...	24	11	5	5	38	61
1906...	34	36	19	10	49	56
1905...	38	12	8	14	59	57

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SENILE MORTALITY.—The total number of deaths over 70 was 29, a decrease of 9. Of these 11 were males and 18 females. The combined ages equal 2214 years, or an average of 76·34. The oldest inhabitants who died were a female, aged 88 and a male, aged 82.

## CAUSES OF DEATHS.

ZYMOTIC DISEASES.—From Zymotic Diseases 3 deaths occurred, a decrease of 4 from last year.

DISEASE.	1909.			1908.		
	No. of Deaths.	Percentage of all Deaths.	Death Rate for 1909.	No. of Deaths.	Percentage of all Deaths.	Death Rate for 1908.
Small Pox ...	0	0·00	0·00	0	0·00	0·00
Measles ...	0	0·00	0·00	0	0·00	0·00
Scarlet Fever ...	1	0·65	0·07	0	0·00	0·00
Diphtheria ...	0	0·00	0·00	2	1·11	0·15
Whooping Cough	2	1·30	0·15	1	0·55	0·07
Enteric Fever ...	0	0·00	0·00	1	0·55	0·07
Diarrhœa ...	0	0·00	0·00	3	1·67	0·23
TOTALS ...	3	1·95	0·22	7	3·88	0·52

These 3 deaths are equal to a percentage of all deaths of 1·95, and to a total annual death rate of ·22. In 1908 the rate was ·53. For the year 1909 the rate for England and Wales was 1·12.

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## MORTALITY FROM SOME OTHER DISEASES.

DISEASE.	No. of Deaths.	Per cent of all Deaths.	Death Rate for 1909.	No. of Deaths.	Per cent of all Deaths.	Death Rate for 1908.	No. of Deaths. 1907.	Death Rate for 1907
Phthisis ... ..	6	3.92	0.45	9	5.02	0.69	7	0.54
Disease of Res- piratory Organs	36	23.52	2.75	35	19.55	2.69	42	3.24
Heart Disease ...	12	7.84	0.91	22	12.29	1.69	15	1.16
Bright's Disease...	5	3.26	0.39	3	1.67	0.23	6	0.46
Influenza ... ..	0	0.00	0.00	0	0.00	0.00	2	0.15
Cancer ... ..	10	6.53	0.74	15	8.37	1.15	9	0.69
TOTALS ... ..	69	45.09	5.27	84	46.90	6.45	81	6.24

PHTHISIS:—Sanitary Authorities everywhere are working energetically to combat this scourge and with much success, as shown by the steady decline in the number of deaths from this disease.

Our Death Rate is comparatively low, and by continued efforts in teaching the people the necessity of avoiding overcrowding and allowing as much sunshine and fresh air into bedrooms, care in the disposal of tubercular sputum—refraining from indiscriminate spitting—it would be lower still. During the past summer I made a series of observations between 10 and 12 a.m. and found, out of 538 bedroom windows only 92 were open at all.

The disinfection of rooms occupied by tuberculosis cases is carried out, but with no notification of the disease, it is often late till the rooms can be attended to.

CANCER:—Has caused 10 deaths as compared with 15 last year; 7 in persons aged from 25 to 65 and 3 above 65.



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The number of Inquests held during the year was 7 as compared with 9 in 1908, 4 in 1907, 6 in 1906, and 8 in 1905. Two of the cases arose from accidents, one from suicide, and four from natural causes.

MORTUARY.—The Mortuary has been used twice during the year and on one of the occasions a P.M. was required.

DISPOSAL OF THE DEAD.—18 Interments had taken place in the Cemetery in Whitechapel Road. Total since its opening, 131.

## SANITARY ADMINISTRATION.

NOTIFICATION OF INFECTIOUS DISEASES.—The Notifications of Infectious Diseases received number 17, as compared with 47 in 1908, 50 in 1907, 147 in 1906, 105 in 1905, 99 in 1904 and 125 in 1903. Scarlatina, 15; Diphtheria, 1; Enteric Fever, 0; Erysipelas, 1; Puerperal Fever, 0. Of these notifications, 9 occurred in back-to-back houses and 8 in through houses.

DISTRIBUTION AND COMPARATIVE STATEMENT  
FOR THE PAST THREE YEARS.

WARD.	Scarlatina			Enteric Fever.			Small Pox			Erysipelas			Diphtheria		
	1909	1908	1907	1909	1908	1907	1909	1908	1907	1909	1908	1907	1909	1908	1907
Cleckheaton ...	9	30	24	0	3	5	0	0	0	1	8	3	1	3	6
Scholes ...	2	1	7	0	0	0	0	0	0	0	0	1	0	0	2
Oakenshaw ...	4	0	0	0	0	1	0	0	0	0	0	0	0	1	1
TOTALS ...	15	31	31	0	3	6	0	0	0	1	8	4	1	4	9

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TABLE OF CASES SENT TO HOSPITAL.

WARD.			Scarlatina		Small Pox		Enteric Fever		Diphtheria	
			1909	1908	1909	1908	1909	1908	1909	1908
Cleckheaton	...	...	8	26	0	0	0	2	1	1
Scholes	...	...	1	1	0	0	0	0	0	0
Oakenshaw	...	...	4	0	0	0	0	0	0	0
TOTALS			13	27	0	0	0	2	1	1

The Erysipelas case was not eligible for hospital treatment. Of the remaining 16 cases, there were removed 14, or 87·5.

REMOVAL PERCENTAGE FOR PAST SIX YEARS.

1904	...	1905	...	1906	...	1907	...	1908	...	1909
87%	...	90%	...	83·8%	...	76·08%	...	81·08%	...	87·5%

HOSPITAL ACCOMMODATION—The North Bierley Joint Hospital received all the cases and they received every attention there.

The Small Pox Hospital is kept ready for immediate use, but fortunately it has not been required.

WATER CLOSETS, ETC.—During the year 74 overhead flushes were erected, also 3 earth closets.

In my last report particulars of a number of Privy Middens that required attention were given. I am sorry to state that the work has not yet been carried out.

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## SANITARY WORK.—Taken from form 572:

CLASS OF BUILDING.	No.	SANITARY CONDITION.
Common Lodging Houses ...	0	
District Council's Slaughter-house	1	Good.
Private Slaughter-houses ...	9	do.
Workshops ...	87	Clean and not overcrowded
Workplaces ...	7	do. do.
Bakehouses ...	12	All in satisfactory condition
Fried Fish Shops ...	10	do. do.
Cowsheds ...	42	Fairly satisfactory.
Offensive Trades ...	0	

## INSPECTION WORK.

	1909.	1908.	1907.	1906.
Houses inspected ...	190	150	160	150
Factories ...	200	150	180	280
Privy Middens removed ...	41	12	32	47
Earth Closets erected ...	3	0	19	8
Water Closets erected ...	74	69	26	53
Waste Water Closets erected ...	0	6	1	4
Drains, &c., Flushed (using 173,000 gallons of water) ...	161	168	150	226
Air Shafts erected ...	10	10	10	14

HOUSE ACCOMMODATION.—23 new houses have been built and certified for occupation during the year. All are through houses, most of them being cottages; but there were also several villas.

BACTERIOLOGICAL ANALYSES.—During the year 49 specimens were forwarded to the West Riding Laboratory at Wakefield, viz.:—Blood for Enteric Fever, 11; Throat Swabs for Diphtheria, 36; Sputum for Tuberculosis Bacillus, 2; Urine, 0.

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SCAVENGING.—This work, carried out by the Councils staff, has been on the whole satisfactory.

It would be a much needed improvement if more of the larger privy middens could be emptied during the night.

SEWERAGE.—There are several short lengths of drains to be done, and at Oakenshaw the new works will shortly be taken in hand, when it is hoped that the complaints from that district will be avoided.

SMOKE NUISANCE.—The improvement noted last year has not been continued and there is far more smoke turned out than there ought to be. The detrimental effect of the air pollution is a serious problem and the amount of soot precipitated in the course of a day must be considerable, and of this some cannot be removed by rain as it is of a sticky-tarry nature and very destructive to vegetation.

In calm weather the smoke whilst fouling the air also keeps out the sun.

DESTRUCTION OF REFUSE.—The Refuse Destructor continues to do good work, and figures relating to it will be found in the Sanitary Inspector's report.

### OTHER STATISTICS.

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HORSE AMBULANCE.—The Horse Ambulance has been used on 9 occasions for accidents and 20 times for the removal of invalids, a total of 29 times for the year. From the 3rd September, 1897, to date, it has been out on service 289 times, 99 for accidents and 190 for invalids.



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VACCINATION.—By the courtesy of the Vaccination Officer I have been enabled to tabulate the following figures.

	1909.	1908.	1907.
Infants Registered ... ..	253	259	267
„ Vaccinated at end of year ...	83	102	142
„ Deceased prior to possibility of Vaccination ... ..	12	16	27
Postponements, Removals and Unvaccinated	28	37	88
Certificates of Conscientious Objections ...	130	104	10
TOTALS ... ..	253	259	267

From the above figures it will be seen that during the year 130 so called conscientious objectors took advantage of exemption. I have seen too much of Small Pox, and know the preventative value of Vaccination to have any sympathy with those who openly encourage the rapid growth of a population that must at no distant date offer itself a ready victim to Small Pox.

## RAINFALL FOR PAST THREE YEARS.

## TEMPERATURE.

Month.	1909.	1908.	1907.	1909.		1908.		1907.	
				Max.	Min.	Max.	Min.	Max.	Min.
January ...	1.73 in.	1.78 in.	1.60 in.	48	19	52	20	48	22
February ...	0.65 „	2.55 „	1.62 „	51	27	49	30	52	21
March ...	3.05 „	3.12 „	1.94 „	56	23	52	29	62	27
April ...	2.81 „	2.43 „	1.26 „	66	31	58	26	64	30
May ...	2.09 „	2.01 „	3.35 „	72	31	72	40	74	36
June ...	3.61 „	1.39 „	3.51 „	63	35	78	42	70	43
July ...	3.03 „	2.80 „	2.42 „	70	44	80	46	80	42
August ...	2.72 „	1.84 „	2.11 „	72	46	72	46	72	44
September ...	3.23 „	3.01 „	0.60 „	60	40	70	42	68	36
October ...	2.74 „	1.49 „	5.72 „	60	26	73	42	62	34
November ...	0.41 „	1.67 „	2.78 „	54	26	56	33	55	31
December ...	6.18 „	1.23 „	3.18 „	50	20	50	16	52	30
TOTAL ...	32.25 in.	25.32 in.	30.09 in.						

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FACTORY ACT ADMINISTRATION.—Appended are figures and details of the administration of this Act.

**FACTORIES, WORKSHOPS. LAUNDRIES, WORKPLACES,  
and HOMEWORK.**

1.—INSPECTION.

*Including inspections made by Sanitary Inspectors or Inspectors  
of Nuisances.*

Premises.	Number of		
	Inspec- tions.	Written Notices.	Prose- cutions.
Factories ... .. (Including Factory Laundries) ...	100	Nil.	Nil.
Workshops ... .. (Including Workshop Laundries)	80	One.	Nil.
Workplaces ... .. (Other than Outworkers' premises included in Part 3 of this Report).	20	Nil.	Nil.
TOTAL ... ..	200	1	Nil.

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## 2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Act:</i>				
Want of Cleanliness ... ..				
Want of Ventilation ... ..				
Overcrowding ... ..				
Want of drainage of floors ... ..				
Other Nuisances ... ..				
Sanitary Accommodation—				
Insufficient ... ..				
Unsuitable or defective ... ..	9	8	Nil.	Nil.
Not separate for sexes ... ..				
<i>Offences under the Factory and Workshop Act:</i>				
Illegal occupation of underground bakehouse (s. 101) ... ..	1			
Breach of special sanitary requirements for bakehouses (s.s. 97 to 100) ... ..				
Other Offences ... ..				
Total ... ..	10	8	Nil.	Nil.

## 3.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at end of year.	Number.
Workshops ... ..	60
Bakehouses ... ..	10
Workplaces ... ..	17
Total number of workshops on Register ... ..	87

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## 4.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories:	Nil.
Failure to affix Abstract of the Factory and Workshop Act (S. 133) ... ..	Nil.
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5):	
Notified by H. M. Inspector ...	
Reports (of action taken) sent to H.M. Inspector ... ..	
Other matters ... ..	
Underground Bakehouses (S. 101):	One.
Certificates granted during the year ...	Nil.
In use at the end of the year ... ..	One.

Table C, 1909.

CLECKHEATON SANITARY DISTRICT.

WATER SUPPLY.—Any development during 1909? No.

Developments still needed?

Has public supply been continuous? Yes.

Is the water plumbo-solvent and if so, what corrective treatment is applied? No.

Any samples tested for lead during 1909? No. Result?



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SEWERAGE.—Developments during 1909? None

Developments still needed? Several short lengths to relay  
Sewerage of Oakenshaw and outfall works.Special Sewer Ventilators. Kind in use? Webbs destructor  
lamps. Number 3. Are they satisfactory? Yes.

Any offensive Manholes? No.

SEWERAGE DISPOSAL.—Any complaints as to outfall works? Night  
complaint re Oakenshaw.

SCAVENGING.—Any inadequacy, and where? No.

BYE-LAWS AND REGULATIONS.—Any adopted or sanctioned during  
1909? Markets.ADOPTIVE ACTS.—Any steps taken for the consideration, adoption,  
or application of:

(a) Notification of Births Act, 1907? No,

(b) Public Health Acts Amendment Act, 1907? No.  
What Sections? None.

(c) Other Adoptive Acts? None.

Regulated Buildings, Trades, &c.	No. in District	No. on Register.	Total No. of Inspections made.	General Condition.	Legal Proceedings (if any).
Common Lodging Houses. ...	0	0	0		
Canal Boats ...	0	0	0		
Slaughter Houses ...	10	10	20	Good ...	
Cowsheds ...	42	42	40	Mostly good	
Offensive trades ...	0	0	0		

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COWSHED.—Any special inspection made during 1909? Yes.

Any milk samples tested for tubercle, and with what result? No.

INFECTIOUS DISEASE.—Any suspected spread by rats, dogs, cats, fowls, flies or fleas? No.

ISOLATED HOSPITAL.—Any observation on adequacy or efficiency? No.

SCHOOLS.—Any matter calling for special attention of School, Medical Officer? No.

MIDWIFES ACT, 1902.—Are there any uncertified women attending confinements without a doctor? Not that I know of.

DWELLINGS.—Any occupied houses unfit for habitation? No.

Any overcrowding of persons in houses? No.

Any action taken under the Housing Acts? No.

Is house-to-house inspection systematically made? Yes. Are records kept? Yes.

Any special activity in house-building? No.

Number of Houses built during 1909? 23. General character? Mostly cottages and a few villas.

Do the new houses accord with Bye-Laws? Yes. Who deals with plans? Surveyor.

INFANTILE MORTALITY.—What organised effort to control it? None.

Is Health Visitor appointed by S.A.? No. By other body? No.

PREVENTION OF CONSUMPTION.—Any system of notification? Voluntary.

Any local treatment of Patients on sanatorium lines? No.

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Any Sanitary Inspection of Patients' Houses? Yes.

Any Disinfecting of ditto? Yes.

Any distribution of advice? No.

Any Action *re* spitting? No.

Any disinfection of public rooms, vehicles, etc? Yes.

#### NUISANCES.—

Total No. of Nuisances in hand at close of 1908? 2

At close of 1909? 9.

Reported during 1909? 70.

Abated during 1909? 63.

Total No. of Legal Notices served for Abatement of Nuisances during 1909? 47.

Total No. of Summonses or other Legal Proceedings? None.

No. of Sink wastes disconnected during 1909? Unknown.

Trapped?

No. of Closets newly constructed during 1909? 77.

Kinds? 74 overhead flush and 3 earth closets.

No. of Closets re-constructed during 1909? 41.

Kinds? 38 overhead and 3 earth.

METEOROLOGY.—Mean Temperature for 1909? 45.

Rainfall? 32.25.

WHAT ACTION HAS BEEN TAKEN in regard to the following matters?

Seizures of Unsound Food? 2. Prosecutions? None.

Samples under Sale of Food and Drugs Act? None.

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Prosecutions? None.

No. of Smoke observations taken? None.

Legal Notices? None. Summonses? None.

BIRTHS DURING 1909.—

Males, 124. Females, 129. Total, 253.

Number illegitimate, included in above? 5.

Number of Still Births (not included)?

DEATHS DURING 1909.—

(1) Gross Deaths, *i.e.*, Total actually registered in the district, without any correction? 156.

(2) Nett Deaths. on which the rates are calculated?

Males, 73. Females, 80. Total, 153.

Number uncertified, included in the above? None.

SANITARY REQUIREMENTS OF DISTRICT AND SUGGESTIONS OF  
MEDICAL OFFICER OF HEALTH.



TABLE 1.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1909 AND PREVIOUS YEARS

Year	Population estimated to Middle of each Year	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.						TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-Residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate %	Under 1 Year of Age.		At all Ages.							Number.	Rate %
				Number.	Rate per 1000 Births registered	Number.	Rate %							
1		3	4	5	6	7	8	9	10	11	12	13		
1906	12865	260	20.20	34	130.7	214	16.63	38	20	10	204	15.07		
1907	12930	267	20.64	24	89.8	144	11.13	4	2	2	144	11.13		
1908	13000	259	19.92	30	115.8	177	13.61	2	2	4	179	13.61		
1909	13070	253	19.35	26	102.7	156	11.93	9	8	5	153	11.70		

§ Rates in Columns 4, 8 and 13, calculated per 1000 of estimated population.  
 Area of District in acres (exclusive of area covered by water)...1755.  
 Total population at all ages, 12520. (1901 Census). Number of inhabited houses, 3051.  
 Average number of persons per house, 4.10

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TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1909  
AND PREVIOUS YEARS.

NAMES OF LOCALITIES.	CLECKHEATON.				SCHOLES.				OAKENSHAW.			
	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
Year.												
1906 ...	10500	207	172	30	1725	42	20	4	640	11	12	0
1907 ...	10545	216	116	20	1740	42	23	4	645	9	5	0
1908 ...	10600	216	154	20	1750	34	19	2	650	9	6	0
1909 ...	10655	198	129	22	1760	43	17	2	655	12	7	2

<i>Institutions within the District receiving sick and infirm persons from outside the District ?</i>	1. North Bierley Joint Hospital, for Infectious Diseases.
<i>Institutions outside the District receiving sick and infirm persons from the District ?</i>	1. West Riding Lunatic Asylum. 2. Bradford Royal Infirmary.
<i>Other Institutions, the deaths in which have been distributed among the several localities in the District ?</i>	Nil.

Is the Union Workhouse within the District ? No.

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TABLE III.

CASES OF INFECTIOUS DISEASES NOTIFIED  
DURING THE YEAR 1909.

NOTIFIABLE DISEASE.	Cases notified in whole district.							Total Cases notified in each locality			No. of Cases removed to Hospital from each locality.			
	At all Ages.	At Ages—Years.						Cleckheaton.	Scholes.	Oakenshaw.	Cleckheaton.	Scholes.	Oakenshaw.	Total Cases re-moved to Hospital
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65	65 and upwards.							
Small-pox ... ..														
Cholera ... ..														
Diphtheria (including Membranous croup)	1					1		1			1			1
Erysipelas ... ..	1					1		1						
Scarlet Fever ... ..	15		4	10	1			9	2	4	8	1	4	13
Typhus Fever ... ..														
Enteric Fever... ..														
Relapsing Fever ... ..														
Continued Fever ... ..														
Puerperal Fever ... ..														
Plague ... ..														
Totals ... ..	17	0	4	10	1	2	0	11	2	4	9	1	4	14

*Isolation Hospital: North Bierley Joint Hospital.**Total available Beds: 50. Number of diseases that can be concurrently treated: 3.*

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TABLE IV.

## CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909.

CAUSES OF DEATH.				Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.				
				All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.
				2	3	4	5	6
Small-pox ... ..	...	...	...					
Measles ... ..	...	...	...					
Scarlet fever ... ..	...	...	...	1		1		
Whooping-cough ... ..	...	...	...	2	1	1		
Diphtheria (including Membranous croup) ... ..	...	...	...					
Croup ... ..	...	...	...					
Fever { Typhus ... ..	...	...	...					
{ Enteric ... ..	...	...	...					
{ Other continued ... ..	...	...	...					
Epidemic influenza ... ..	...	...	...					
Cholera ... ..	...	...	...					
Plague ... ..	...	...	...					
Diarrhoea ... ..	...	...	...					
Enteritis ... ..	...	...	...					
Gastritis ... ..	...	...	...					
Puerperal Fever ... ..	...	...	...					
Erysipelas ... ..	...	...	...					
Phthisis (Pulmonary Tuberculosis) ... ..	...	...	...	6				1
Other tuberculous diseases ... ..	...	...	...	4		1		2
Cancer, malignant disease ... ..	...	...	...	10				
Bronchitis ... ..	...	...	...	20	2		1	
Pneumonia ... ..	...	...	...	6		1	1	
Pleurisy ... ..	...	...	...	3				
Other Diseases of Respiratory organs ... ..	...	...	...	7	2	2		
Alcoholism, Cirrhosis of liver ... ..	...	...	...	4				
Venereal Diseases ... ..	...	...	...					
Premature birth ... ..	...	...	...	9	9			
Diseases and accidents of parturition ... ..	...	...	...	1				
Heart diseases ... ..	...	...	...	12				
Accidents ... ..	...	...	...	1				
Suicides ... ..	...	...	...	1				
All other causes ... ..	...	...	...	66	12	1	1	1
<b>All causes ... ..</b>	...	...	...	<b>153</b>	<b>26</b>	<b>7</b>	<b>3</b>	<b>4</b>



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TABLE IV.—Continued.

## CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909.

CAUSES OF DEATH.	Deaths at subjoined ages, etc.		Deaths at all ages of Residents belonging to localities, whether occurring in or beyond the District.			Total deaths whether of "Residents" or "non-Residents in Public Institutions in the District.
	25 and under 65	65 and up-wards.	Cleckh'ton	Scholes	Oak'shaw	
7	8	9	10	11	12	13
Small-pox ... ..						
Measles ... ..						
Scarlet Fever ... ..			1			3
Whooping-cough ... ..			2			
Diphtheria (including Membranous croup) ... ..						1
Croup ... ..						
Fever { Typhus ... ..						2
{ Enteric ... ..						
{ Other continued... ..						
Epidemic influenza ... ..						
Cholera ... ..						
Plague ... ..						
Diarrhœa ... ..						
Enteritis ... ..						
Gastritis ... ..						
Puerperal fever... ..						
Erysipelas ... ..						
Phthisis (Pulmonary Tuberculosis) ... ..	4	1	4		2	
Other Tuberculous diseases ... ..	1		3	1		
Cancer, malignant disease ... ..	7	3	9	1		
Bronchitis ... ..	8	9	16	4		
Pneumonia ... ..	1	3	6			1
Pleurisy ... ..	3		2	1		1
Other diseases of Respiratory organs ... ..	2	1	7			
Alcoholism, Cirrhosis of liver ... ..	4		4			
Venereal Diseases ... ..						
Premature Birth ... ..			9			
Diseases and accidents of parturition ... ..	1		1			
Heart diseases ... ..	6	6	12			
Accidents ... ..	1		1			
Suicides ... ..	1		1			
All other causes ... ..	23	28	51	10	5	1
<b>All causes</b> ... ..	<b>62</b>	<b>51</b>	<b>129</b>	<b>17</b>	<b>7</b>	<b>9</b>

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TABLE V.

## INFANTILE MORTALITY DURING THE YEAR 1909.

*Deaths from stated Causes in Weeks and Months under One Year of Age.*

CAUSE OF DEATH.						Under 1 Week	1-2 Weeks.
ALL CAUSES.	Certified ...	...	...	...	...	8	1
	Uncertified	...	...	...	...	0	0
i. Common Infectious Diseases.	Small Pox	...	...	...	...		
	Chicken Pox	...	...	...	...		
	Measles ...	...	...	...	...		
	Scarlet Fever	...	...	...	...		
	Diphtheria (including Membranous Croup)	...	...	...	...		
	Whooping Cough ...	...	...	...	...		
ii. Diarrhoeal Diseases	Diarrhoea, all forms	...	...	...	...		
	Enteritis, Muco-enteritis, Gastro-enteritis	...	...	...	...		
	Gastritis, Gastro-intestinal Catarrh	...	...	...	...		
iii. Wasting Diseases.	Premature Birth ...	...	...	...	...	4	1
	Congenital Defects	...	...	...	...	3	
	Injury at Birth	...	...	...	...		
	Want of Breast-milk, Starvation	...	...	...	...		
	Atrophy, Debility, Marasmus	...	...	...	...		
iv. Tuberculous Diseases.	Tuberculous Meningitis	...	...	...	...		
	Tuberculous Peritonitis: Tabes Mesenterica	...	...	...	...		
	Other Tuberculous Diseases	...	...	...	...		
v. Other Causes.	Erysipelas	...	...	...	...		
	Syphilis ...	...	...	...	...		
	Rickets ...	...	...	...	...		
	Meningitis ( <i>not Tuberculous</i> )...	...	...	...	...		
	Convulsions	...	...	...	...	1	
	Bronchitis	...	...	...	...		
	Laryngitis	...	...	...	...		
	Pneumonia	...	...	...	...		
	Suffocation, overlying	...	...	...	...		
	Other Causes	...	...	...	...		
TOTAL						8	1

Births in the Year. } Legitimate, 248.      Deaths in      } Legitimate Infants, 26.  
                               } Illegitimate, 5.            the year of      } Illegitimate Infants, 0.  
                                     Deaths from all Causes at all Ages, 153.

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TABLE V.

## INFANTILE MORTALITY DURING THE YEAR 1909.

*Deaths from stated Causes in Weeks and Months under One Year of Age.*

2-3 Weeks.	3-4 Weeks.	Total under 1 Month	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year.
3 0	1 0	13 0	0 0	3 0	0 0	0 0	1 0	0 0	1 0	3 0	3 0	0 0	2 0	26 0
				1										1
2	0	7 3		2										9 3
1	1	3								2	1 2			6 2
							1		1	1			2	5
3	1	13	0	3	0	0	1	0	1	3	3	0	2	26

Population. Estimated to middle of 1909, 13070.

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Table showing Population, Births, etc., in some West Riding towns from which Returns were received.

TOWN.	POPULA- TION, 1909.	BIRTHS.		DEATHS.		Zymotic Death Rate.	Phthisis Death Rate.	Respira- tory Diseases Death Rate.	Infantile Death per 1000.	No. of Notifica- tions Received.
		No.	Rate per 1000.	No.	Rate per 1000					
Birstal ...	...	184	27.75	115	16.88	.29			76.0	34
Brighouse ...	22455	411	19.35	277	12.3	.09	.97	3.00	97.0	158
Heckmondwike ...	...		17.97		17.54	.74	1.26		162.0	23
Liversedge ...	15200	318	20.9	189	12.4	.8	.9	1.9	106.9	61
Mirfield ...	11094	252	22.71	179	16.13	.6	.9	2.25	115.07	56
Pudsey ...	13833	260	18.7	228	16.3	.65	.86	2.9	153.8	87
Gomersal ...	4285	68	15.86	57	13.30	1.16	.93	1.86	117.0	21
Cleckheaton ...	13070	253	19.35	153	11.7	.22	.45	2.75	102.7	17

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MEDICAL OFFICER OF HEALTH.





